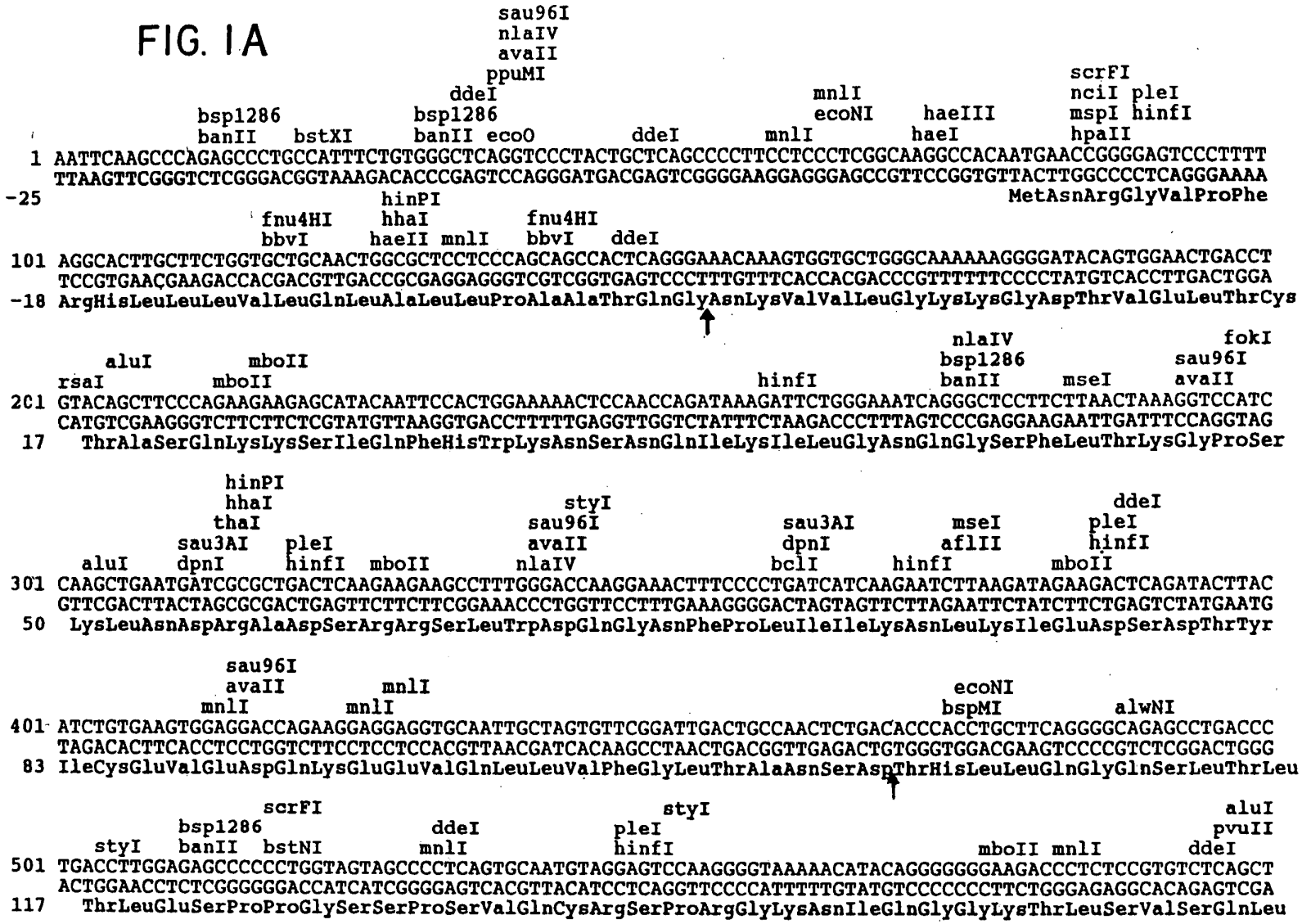
FIG. 1A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ppuMI
ddeI
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bsp1286
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mspI hinfI
banII bstXI banII ecoO ddeI mnlI haeI hpaII
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-25
hinPI
MetAsnArgGlyValProPhe
fnu4HI
hhaI
fnu4HI
bbvI
haeII mnlI
bbvI
ddeI
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TCCGTGAACGAAGACCACGACGTTGACCGCGAGGAGGGTCGTCGGTGAGTCCCTTTGTTTCACCACGACCCGTTTTTTCCCCTATGTCACCTTGACTGGA
-18 ArgHisLeuLeuLeuValLeuGlnLeuAlaLeuLeuProAlaAlaThrGlnGlyAsnLysValValLeuGlyLysLysGlyAspThrValGluLeuThrCys
nlaIV
fokI
aluI
mboII
bsp1286
sau96I
rsaI
mboII
hinfI
banII
mseI
avaII
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CATGTCGAAGGGTCTTCTTCTCGTATGTTAAGGTGACCTTTTTGAGGTTGGTCTATTTCTAAGACCCTTTAGTCCCGAGGAAGAATTGATTTCCAGGTAG
17 ThrAlaSerGlnLysLysSerIleGlnPheHisTrpLysAsnSerAsnGlnIleLysIleLeuGlyAsnGlnGlySerPheLeuThrLysGlyProSer
hinPI
hhaI
styI
ddeI
thaI
sau96I
sau3AI
mseI
pleI
sau3AI
pleI
avaII
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aflII
hinfI
aluI
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nlaIV
bclI
hinfI
mboII
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avaII
mnlI
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mnlI
bspMI
alwNI
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TAGACACTTCACCTCCTGGTCTTCCTCCTCCACGTTAACGATCACAAGCCTAACTGACGGTTGAGACTGTGGGTGGACGAAGTCCCCGTCTCGGACTGGG
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aluI
bsp1286
ddeI
pleI
pvuII
styI
banII bstNI
mnlI
hinfI
mboII mnlI
ddeI
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ACTGGAACCTCTCGGGGGGACCATCATCGGGGAGTCACGTTACATCCTCAGGTTCCCCATTTTTGTATGTCCCCCCCTTCTGGGAGAGGCACAGAGTCGA
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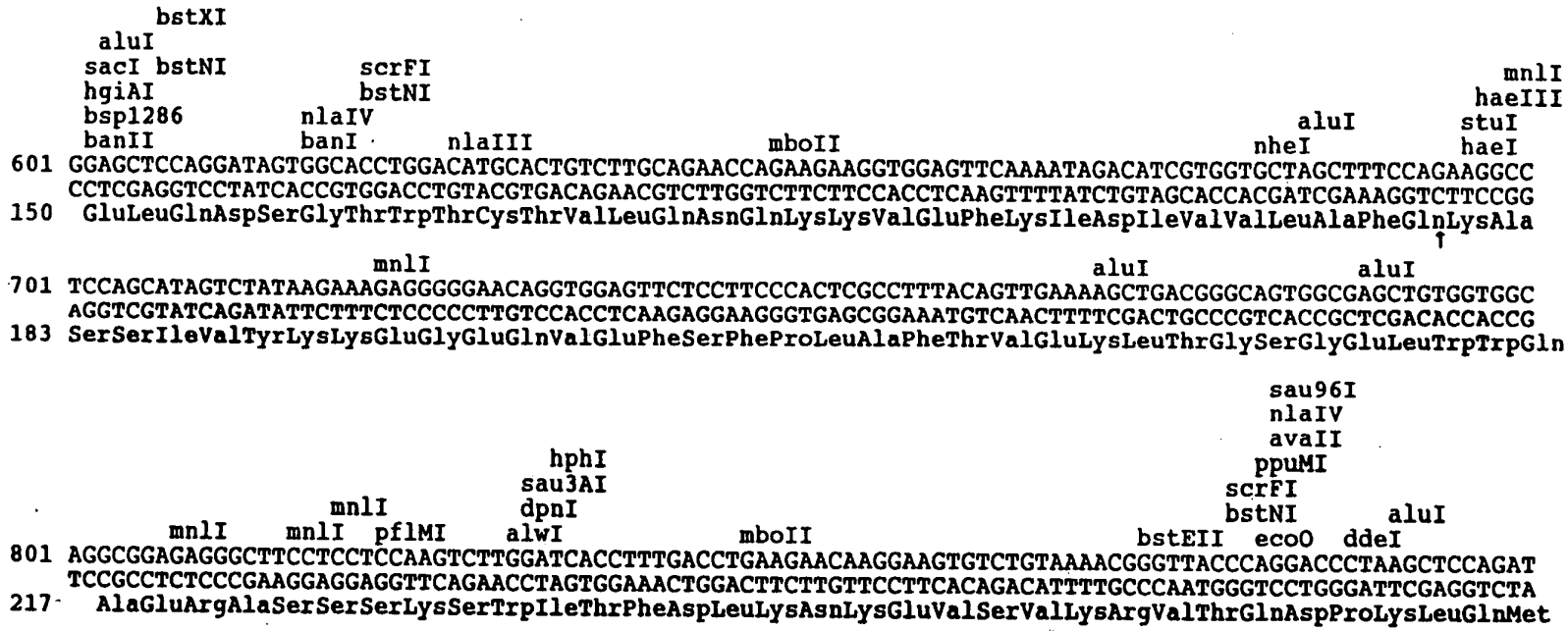
FIG. 1B-1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mnlI
haeIII
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mnlI
aluI
aluI
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avaII
hphI
sau3AI
dpnI
ppuMI
scrFI
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bstEII
ecoO
ddeI
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TCCGCCTCTCCCGAAGGAGGAGGTTCAGAACCTAGTGGAAACTGGACTTCTTGTTCCTTCACAGACATTTTGCCCAATGGGTCCTGGGATTCGAGGTCTA
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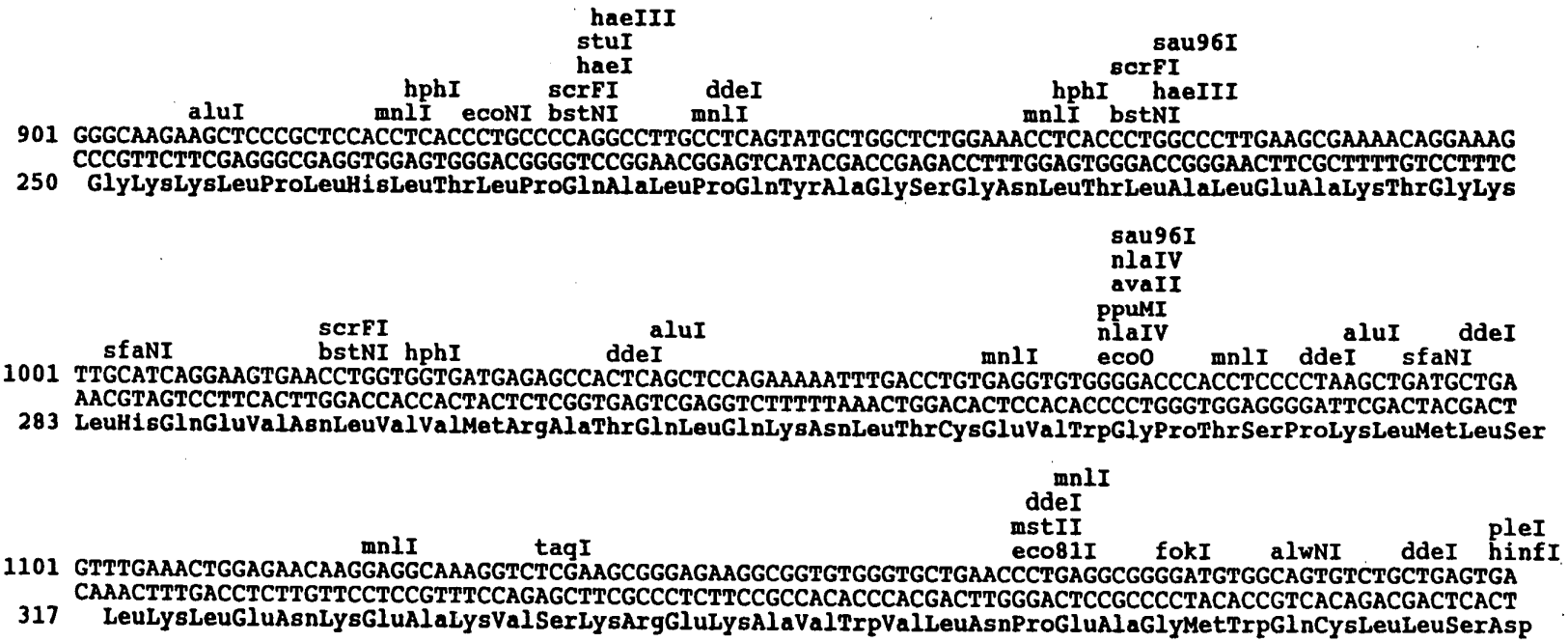
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hphI
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ecoNI
bstNI
mnlI
mnlI
bstNI
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sau96I
nlaIV
avaII
ppuMI
scrFI
aluI
nlaIV
aluI
ddeI
sfaNI
bstNI
hphI
ddeI
mnlI
eco0
mnlI
ddeI
sfaNI
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283 LeuHisGlnGluValAsnLeuValValMetArgAlaThrGlnLeuGlnLysAsnLeuThrCysGluValTrpGlyProThrSerProLysLeuMetLeuSer
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ddeI
mstII
pleI
mnlI
taqI
eco81I
fokI
alwNI
ddeI
hinfI
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CAAACTTTGACCTCTTGTTCCTCCGTTTCCAGAGCTTCGCCCTCTTCCGCCACACCCACGACTTGGGACTCCGCCCCTACACCGTCACAGACGACTCACT
317 LeuLysLeuGluAsnLysGluAlaLysValSerLysArgGluLysAlaValTrpValLeuAsnProGluAlaGlyMetTrpGlnCysLeuLeuSerAsp

FIG. 1B-2

```
          sau96I
          avaII
         ppuMI                                  sau96I
         ecoO                                   avaII     aluI
     avaI alwNI      hinfI                     nlaIII    avaI   mseI                     mseI
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     GAGCCCTGTCCAGGACGACCTTAGGTTGTAGTTCCAAGACGGGTGTACCAGGTGGGGCTCGAAATTACGCCATCAAATAGTGTCAATTTAACGATTGCGT
350   SerGlyGlnValLeuLeuGluSerAsnIleLysValLeuProThrTrpSerThrProSerPheAsnAlaValValTyrHisSerOC*

                                                                     sfaNI                           scrFI
                                                nlaIV      scrFI                               rsaI  nciI
         nlaIV                hinPI        mnlI            bstNI                            mspI     mspI
         banI                 hhaI      fokI     banI   hphI  fokI                          hpaII    hpaII
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     CAGTCCGTGGCACATACTTTAGATTGTTACGCGAGTAGCAGTAGGAGCCGTGGCAGTGGGACCTACGACATCCGTATCCGAACCAATACGGCCATGACGG

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     sau96I
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     CCCGGAGAACGCCCTA
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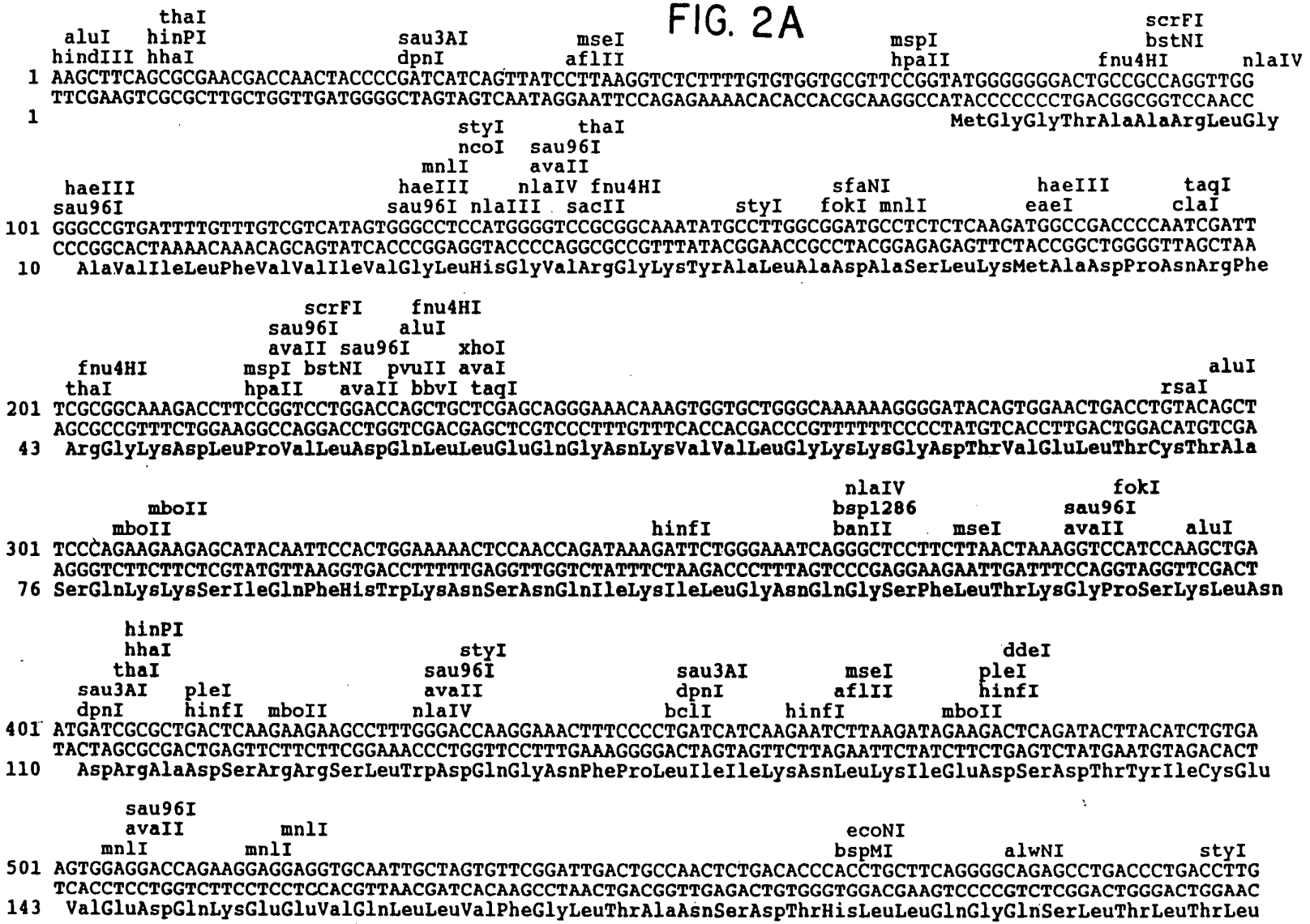
FIG. 1C

FIG. 2A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hindIII hhaI dpnI aflII hpaII fnu4HI nlaIV
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TTCGAAGTCGCGCTTGCTGGTTGATGGGGCTAGTAGTCAATAGGAATTCCAGAGAAAACACACCACGCAAGGCCATACCCCCCCTGACGGCGGTCCAACC
1 MetGlyGlyThrAlaAlaArgLeuGly
styI thaI
ncoI sau96I
mnlI avaII
haeIII haeIII nlaIV fnu4HI sfaNI haeIII taqI
sau96I sau96I nlaIII sacII styI fokI mnlI eaeI claI
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CCCGGCACTAAAACAAACAGCAGTATCACCCGGAGGTACCCCAGGCGCCGTTTATACGGAACCGCCTACGGAGAGAGTTCTACCGGCTGGGGTTAGCTAA
10 AlaValIleLeuPheValValIleValGlyLeuHisGlyValArgGlyLysTyrAlaLeuAlaAspAlaSerLeuLysMetAlaAspProAsnArgPhe
scrFI fnu4HI
sau96I aluI
avaII sau96I xhoI
fnu4HI mspI bstNI pvuII avaI aluI
thaI hpaII avaII bbvI taqI rsaI
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nlaIV fokI
mboII bsp1286 sau96I
mboII hinfI banII mseI avaII aluI
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hinPI
hhaI styI ddeI
thaI sau96I sau3AI mseI pleI
sau3AI pleI avaII dpnI aflII hinfI
dpnI hinfI mboII nlaIV bclI hinfI mboII
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sau96I
avaII mnlI
mnlI mnlI ecoNI
bspMI alwNI styI
501 AGTGGAGGACCAGAAGGAGGAGGTGCAATTGCTAGTGTTCGGATTGACTGCCAACTCTGACACCCACCTGCTTCAGGGGCAGAGCCTGACCCTGACCTTG
TCACCTCCTGGTCTTCCTCCTCCACGTTAACGATCACAAGCCTAACTGACGGTTGAGACTGTGGGTGGACGAAGTCCCCGTCTCGGACTGGGACTGGAAC
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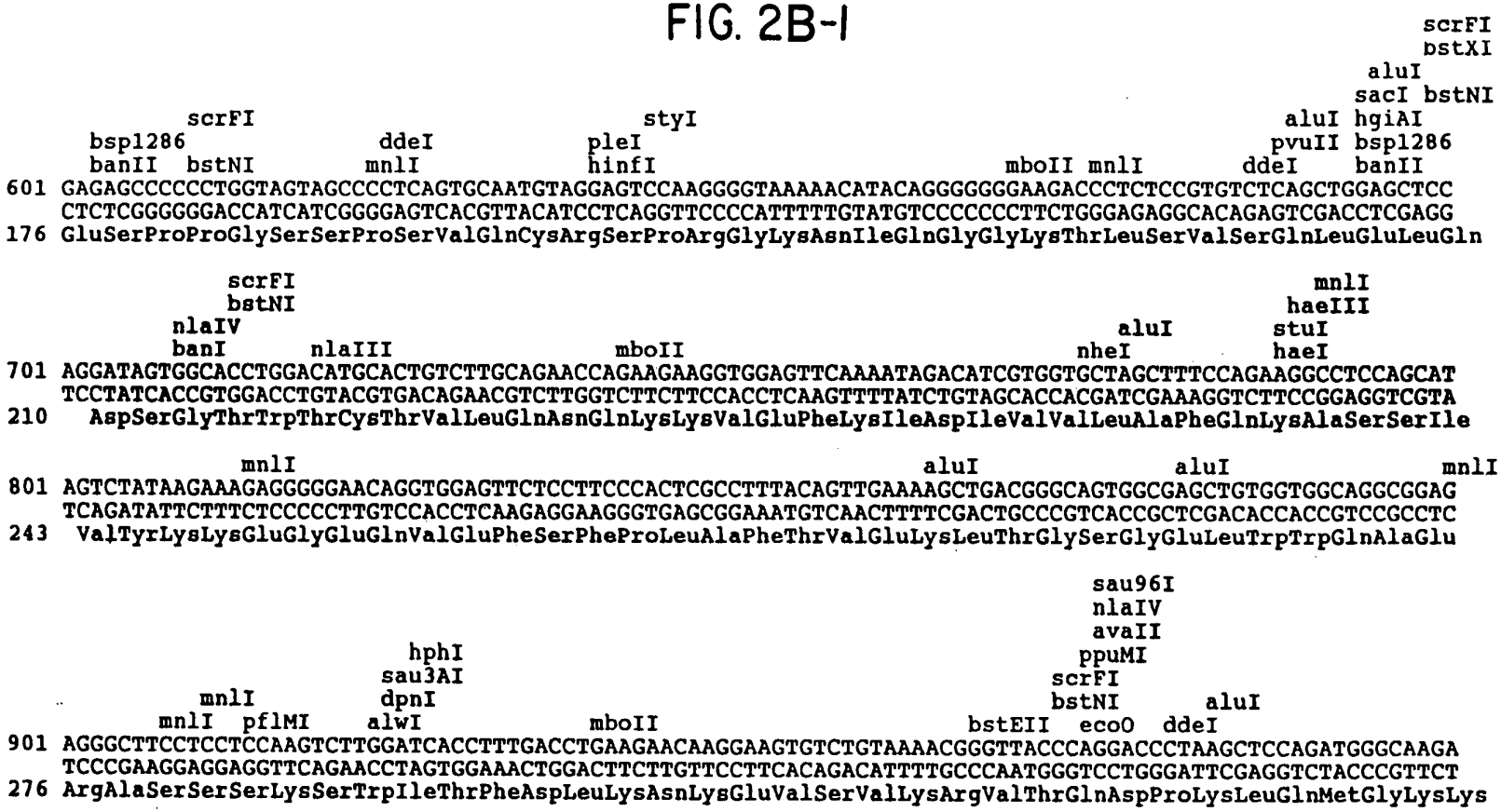
FIG. 2B-1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hinfI
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ddeI
banII
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bstNI
mnlI
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nlaIV
banI
nlaIII
mboII
aluI
nheI
stuI
haeI
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mnlI
aluI
aluI
mnlI
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bstEII
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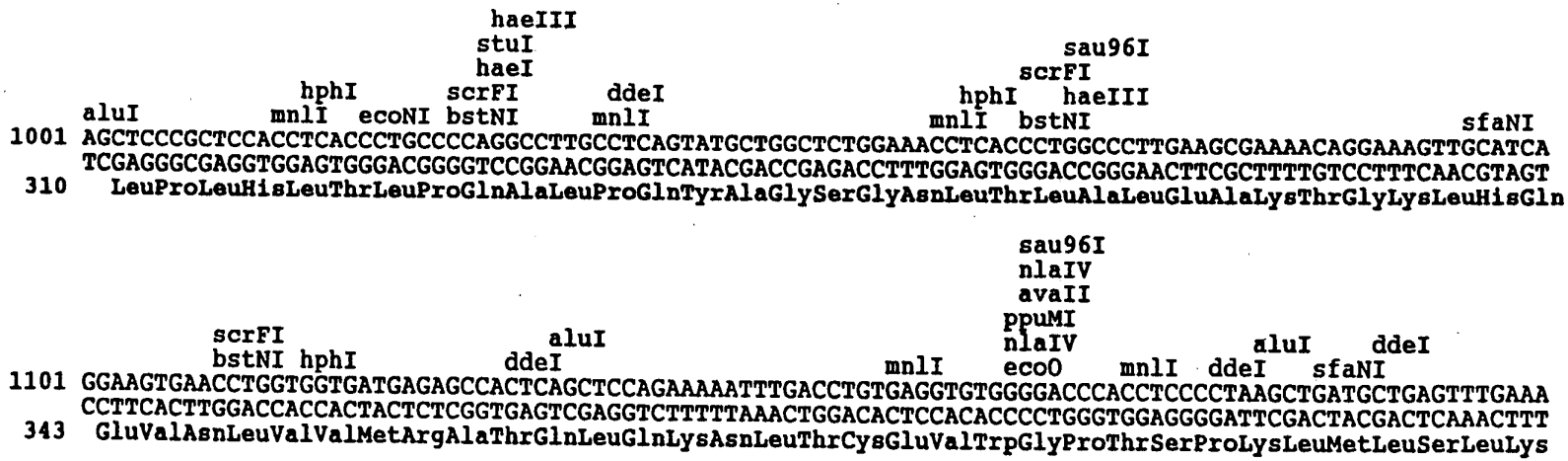
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FIG. 2B-2

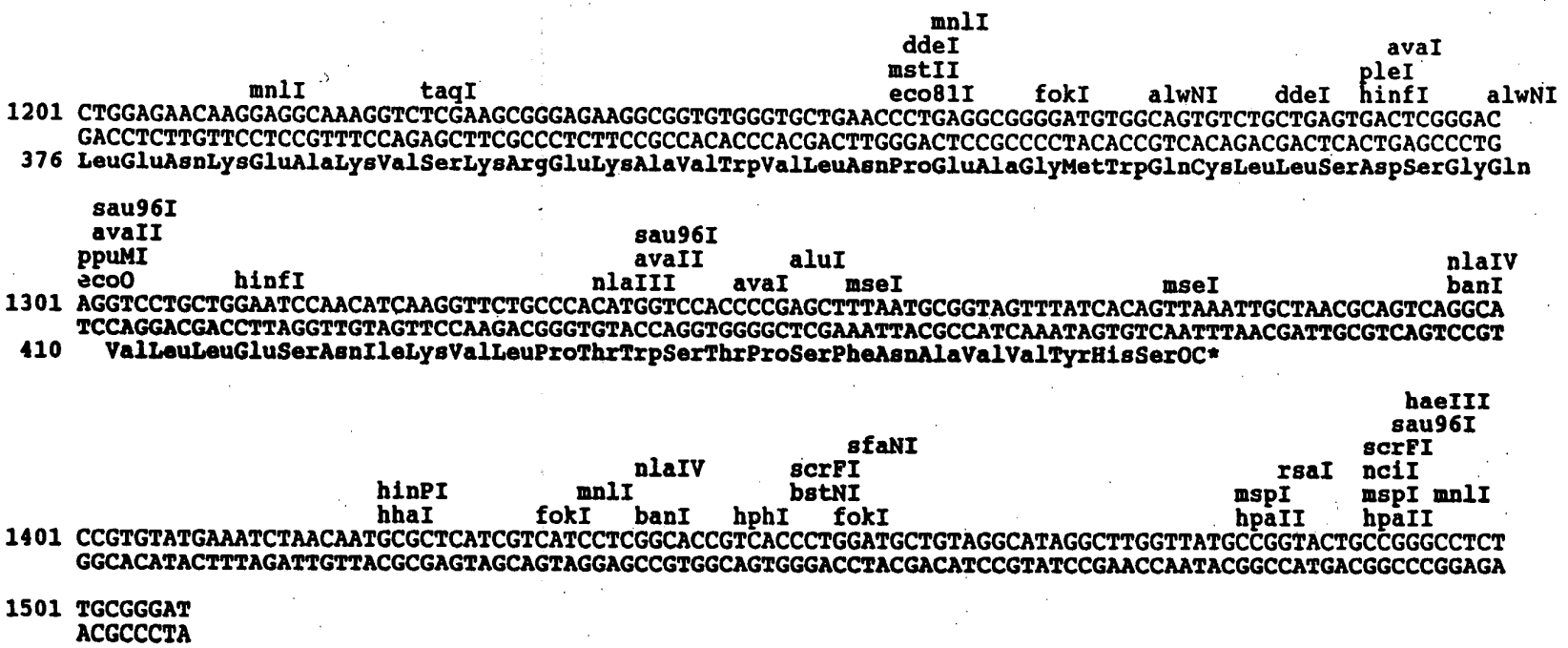
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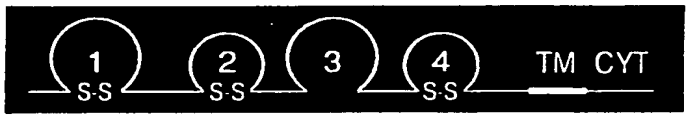
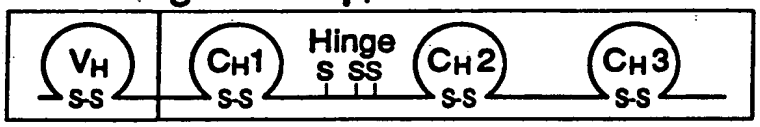
FIG. 2C

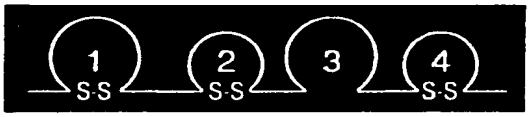
CD4



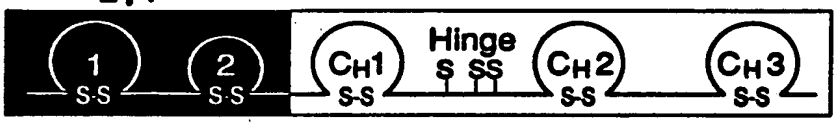
Immunoglobulin γ_1



Soluble rCD4



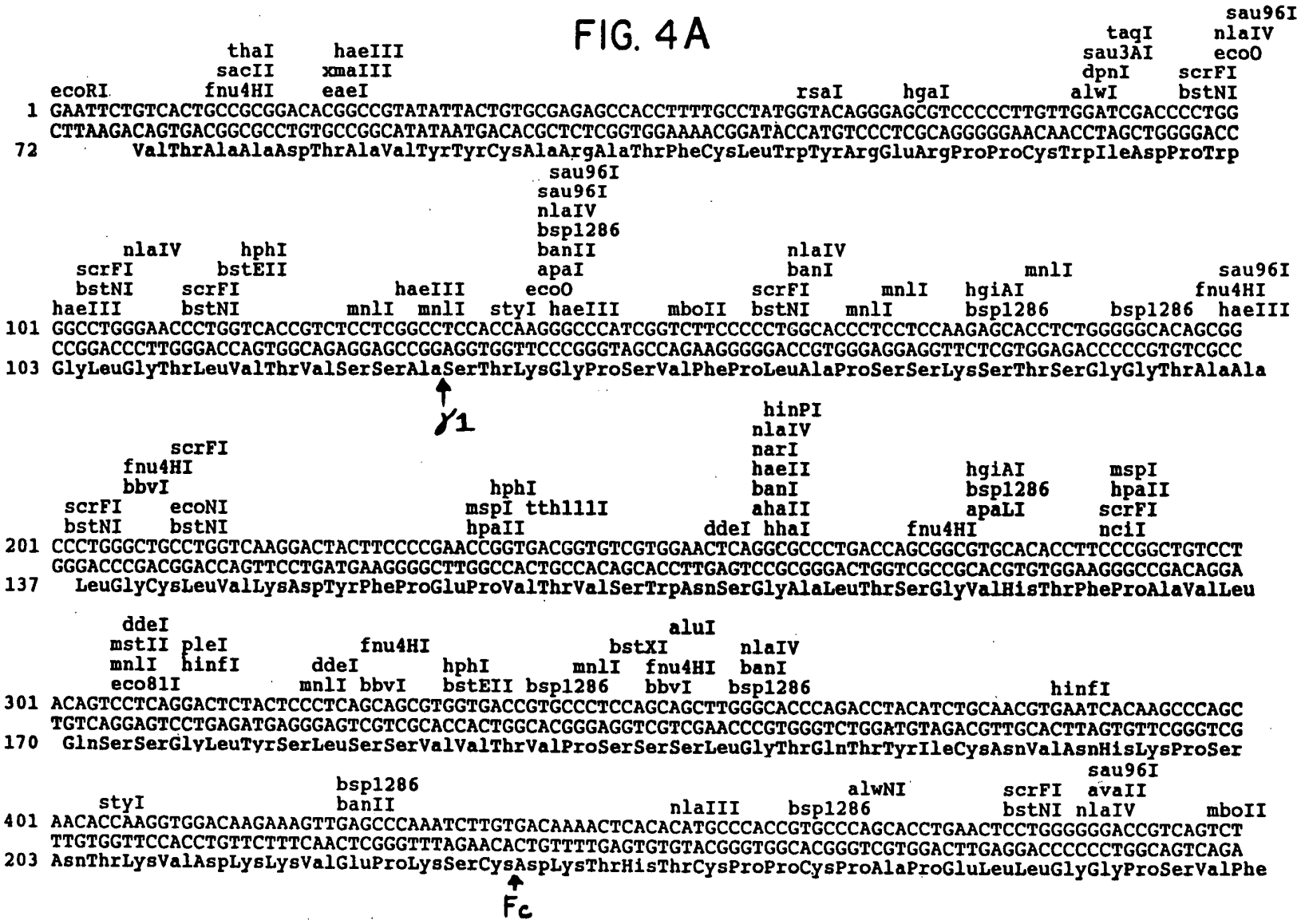
$CD4_2\gamma_1$



$CD4_4\gamma_1$

FIG. 3

FIG. 4A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haeIII bstNI mnlI mnlI styI haeIII mboII bstNI mnlI bsp1286 bsp1286 haeIII
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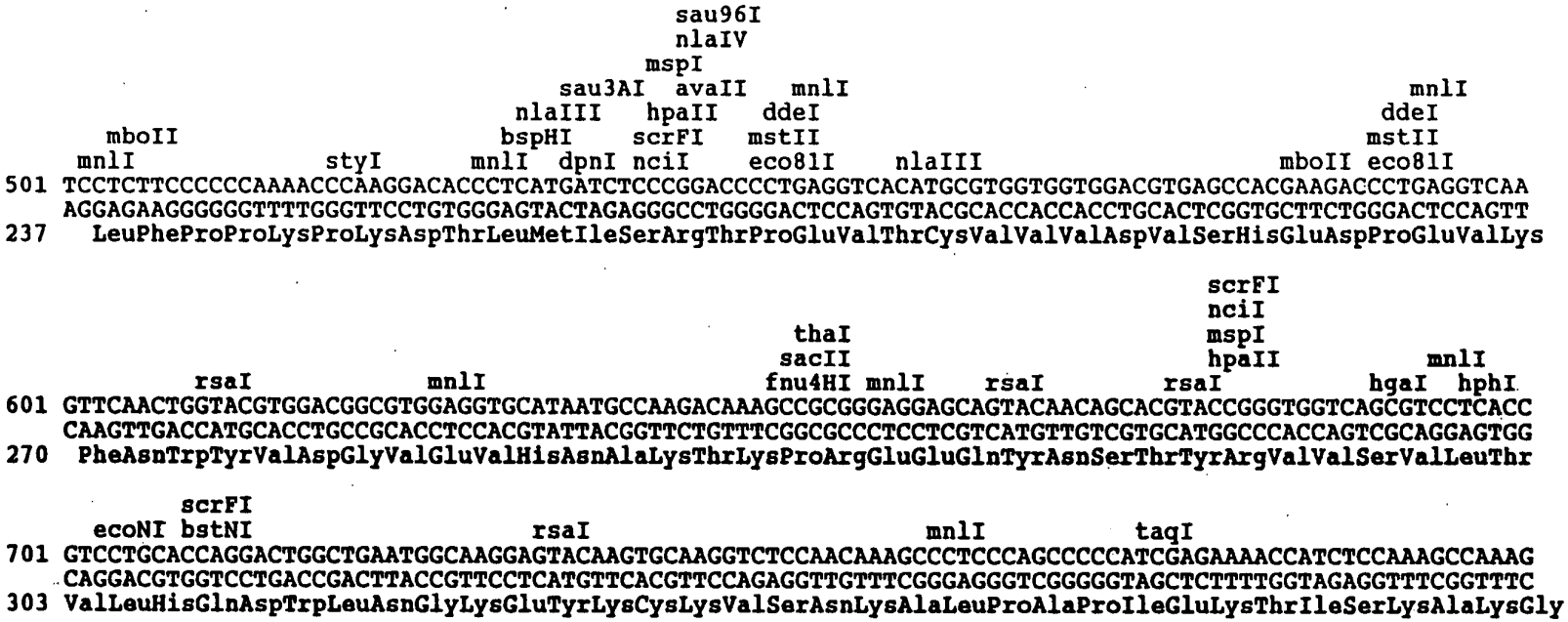
CCGGACCCTTGGGACCAGTGGCAGAGGAGCCGGAGGTGGTTCCCGGGTAGCCAGAAGGGGGACCGTGGGAGGAGGTTCTCGTGGAGACCCCCGTGTCGCC
103 GlyLeuGlyThrLeuValThrValSerSerAlaSerThrLysGlyProSerValPheProLeuAlaProSerSerLysSerThrSerGlyGlyThrAlaAla
γ1
hinPI
nlaIV
scrFI narI
fnu4HI haeII hgiAI mspI
bbvI hphI banI bsp1286 hpaII
scrFI ecoNI mspI tth111I ahaII apaLI scrFI
bstNI bstNI hpaII ddeI hhaI fnu4HI nciI
201 CCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAACCGGTGACGGTGTCGTGGAACTCAGGCGCCCTGACCAGCGGCGTGCACACCTTCCCGGCTGTCCT
GGGACCCGACGGACCAGTTCCTGATGAAGGGGCTTGGCCACTGCCACAGCACCTTGAGTCCGCGGGACTGGTCGCCGCACGTGTGGAAGGGCCGACAGGA
137 LeuGlyCysLeuValLysAspTyrPheProGluProValThrValSerTrpAsnSerGlyAlaLeuThrSerGlyValHisThrPheProAlaValLeu
ddeI aluI
mstII pleI fnu4HI bstXI nlaIV
mnlI hinfI ddeI hphI mnlI fnu4HI banI
eco81I mnlI bbvI bstEII bsp1286 bbvI bsp1286 hinfI
301 ACAGTCCTCAGGACTCTACTCCCTCAGCAGCGTGGTGACCGTGCCCTCCAGCAGCTTGGGCACCCAGACCTACATCTGCAACGTGAATCACAAGCCCAGC
TGTCAGGAGTCCTGAGATGAGGGAGTCGTCGCACCACTGGCACGGGAGGTCGTCGAACCCGTGGGTCTGGATGTAGACGTTGCACTTAGTGTTCGGGTCG
170 GlnSerSerGlyLeuTyrSerLeuSerSerValValThrValProSerSerSerLeuGlyThrGlnThrTyrIleCysAsnValAsnHisLysProSer
sau96I
bsp1286 alwNI scrFI avaII
styI banII nlaIII bsp1286 bstNI nlaIV mboII
401 AACACCAAGGTGGACAAGAAAGTTGAGCCCAAATCTTGTGACAAAACTCACACATGCCCACCGTGCCCAGCACCTGAACTCCTGGGGGGACCGTCAGTCT
TTGTGGTTCCACCTGTTCTTTCAACTCGGGTTTAGAACACTGTTTTGAGTGTGTACGGGTGGCACGGGTCGTGGACTTGAGGACCCCCCTGGCAGTCAGA
203 AsnThrLysValAspLysLysValGluProLysSerCysAspLysThrHisThrCysProProCysProAlaProGluLeuLeuGlyGlyProSerValPhe
Fc

FIG. 4B-1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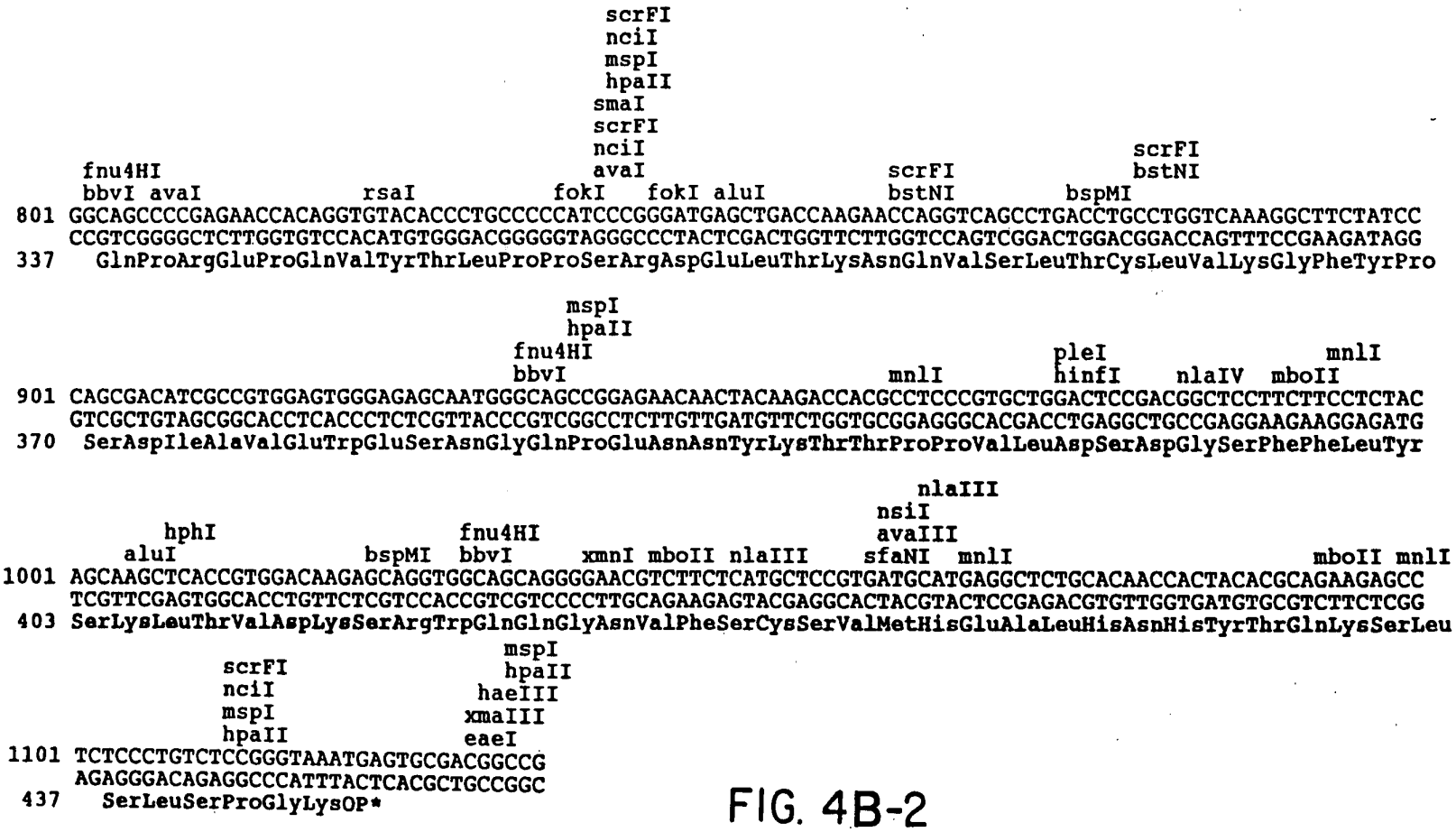
mspI
sau3AI avaII mnlI
nlaIII hpaII ddeI
mboII bspHI scrFI mstII
mnlI styI mnlI dpnI nciI eco81I nlaIII
mnlI
ddeI
mstII
mboII eco81I
501 TCCTCTTCCCCCCAAAACCCAAGGACACCCTCATGATCTCCCGGACCCCTGAGGTCACATGCGTGGTGGTGGACGTGAGCCACGAAGACCCTGAGGTCAA
AGGAGAAGGGGGGTTTTGGGTTCCTGTGGGAGTACTAGAGGGCCTGGGGACTCCAGTGTACGCACCACCACCTGCACTCGGTGCTTCTGGGACTCCAGTT
237 LeuPheProProLysProLysAspThrLeuMetIleSerArgThrProGluValThrCysValValValAspValSerHisGluAspProGluValLys
scrFI
nciI
thaI
mspI
sacII
hpaII
mnlI
rsaI mnlI fnu4HI mnlI rsaI rsaI hgaI hphI
601 GTTCAACTGGTACGTGGACGGCGTGGAGGTGCATAATGCCAAGACAAAGCCGCGGGAGGAGCAGTACAACAGCACGTACCGGGTGGTCAGCGTCCTCACC
CAAGTTGACCATGCACCTGCCGCACCTCCACGTATTACGGTTCTGTTTCGGCGCCCTCCTCGTCATGTTGTCGTGCATGGCCCACCAGTCGCAGGAGTGG
270 PheAsnTrpTyrValAspGlyValGluValHisAsnAlaLysThrLysProArgGluGluGlnTyrAsnSerThrTyrArgValValSerValLeuThr
scrFI
ecoNI bstNI rsaI mnlI taqI
701 GTCCTGCACCAGGACTGGCTGAATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCCAGCCCCCATCGAGAAAACCATCTCCAAAGCCAAAG
CAGGACGTGGTCCTGACCGACTTACCGTTCCTCATGTTCACGTTCCAGAGGTTGTTTCGGGAGGGTCGGGGGTAGCTCTTTTGGTAGAGGTTTCGGTTTC
303 ValLeuHisGlnAspTrpLeuAsnGlyLysGluTyrLysCysLysValSerAsnLysAlaLeuProAlaProIleGluLysThrIleSerLysAlaLysGly


scrFI
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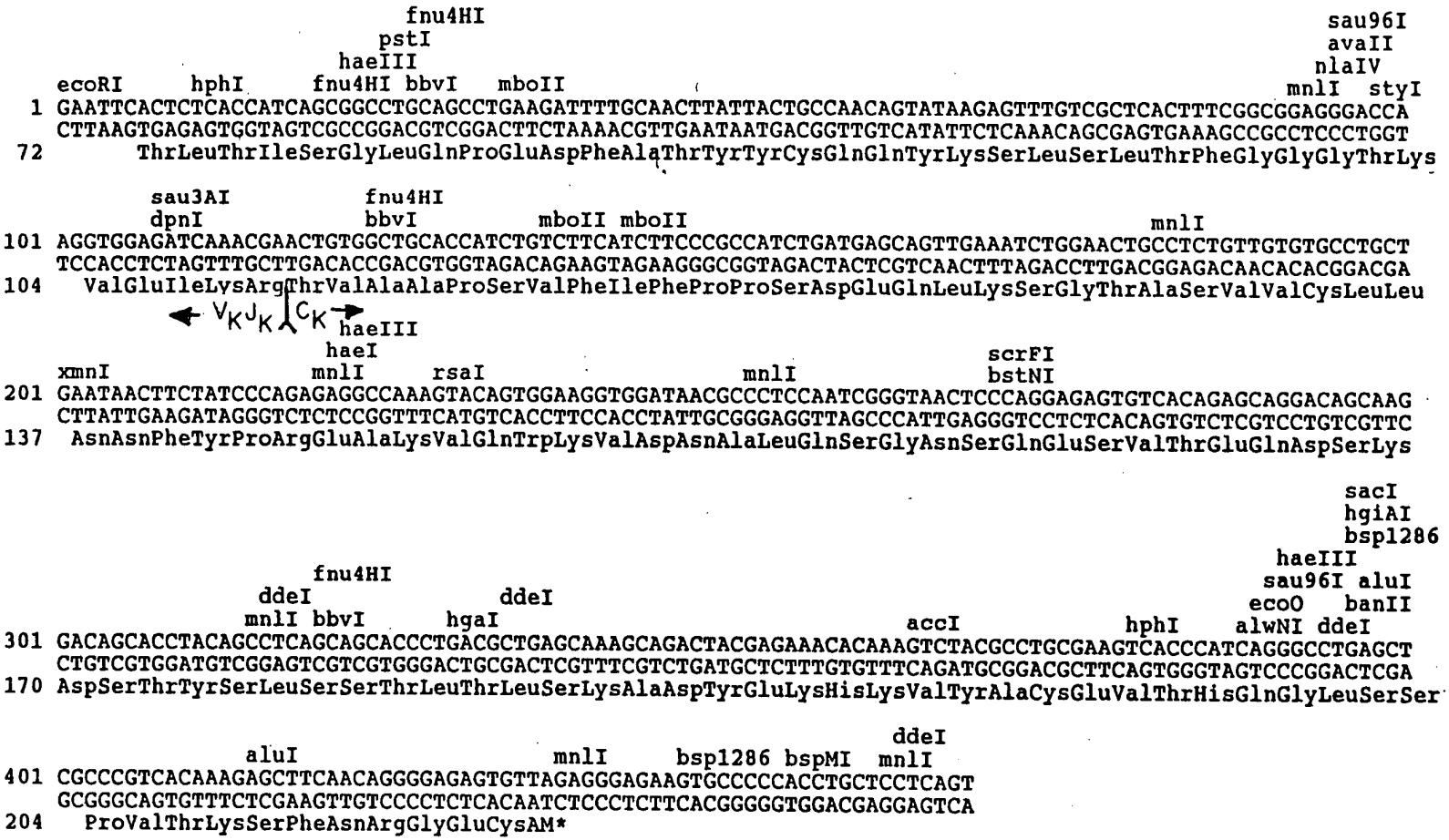
hpaII
smaI
scrFI
nciI
avaI
fokI
fokI aluI
scrFI
bstNI
bstNI
bspMI
fnu4HI
bbvI avaI
rsaI
801 GGCAGCCCCGAGAACCACAGGTGTACACCCTGCCCCCATCCCGGGATGAGCTGACCAAGAACCAGGTCAGCCTGACCTGCCTGGTCAAAGGCTTCTATCC
CCGTCGGGGCTCTTGGTGTCCACATGTGGGACGGGGGTAGGGCCCTACTCGACTGGTTCTTGGTCCAGTCGGACTGGACGGACCAGTTTCCGAAGATAGG
337 GlnProArgGluProGlnValTyrThrLeuProProSerArgAspGluLeuThrLysAsnGlnValSerLeuThrCysLeuValLysGlyPheTyrPro
mspI
hpaII
fnu4HI
bbvI
pleI
mnlI
mnlI
hinfI
nlaIV
mboII
901 CAGCGACATCGCCGTGGAGTGGGAGAGCAATGGGCAGCCGGAGAACAACTACAAGACCACGCCTCCCGTGCTGGACTCCGACGGCTCCTTCTTCCTCTAC
GTCGCTGTAGCGGCACCTCACCCTCTCGTTACCCGTCGGCCTCTTGTTGATGTTCTGGTGCGGAGGGCACGACCTGAGGCTGCCGAGGAAGAAGGAGATG
370 SerAspIleAlaValGluTrpGluSerAsnGlyGlnProGluAsnAsnTyrLysThrThrProProValLeuAspSerAspGlySerPheLeuTyr
nlaIII
nsiI
avaIII
hphI
aluI
fnu4HI
bspMI
bbvI
xmnI
mboII
nlaIII
sfaNI
mnlI
mboII mnlI
1001 AGCAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAGGGGAACGTCTTCTCATGCTCCGTGATGCATGAGGCTCTGCACAACCACTACACGCAGAAGAGCC
TCGTTCGAGTGGCACCTGTTCTCGTCCACCGTCGTCCCCTTGCAGAAGAGTACGAGGCACTACGTACTCCGAGACGTGTTGGTGATGTGCGTCTTCTCGG
403 SerLysLeuThrValAspLysSerArgTrpGlnGlnGlyAsnValPheSerCysSerValMetHisGluAlaLeuHisAsnHisTyrThrGlnLysSerLeu
mspI
hpaII
haeIII
xmaIII
eaeI
scrFI
nciI
mspI
hpaII
1101 TCTCCCTGTCTCCGGGTAAATGAGTGCGACGGCCG
AGAGGGACAGAGGCCCATTTACTCACGCTGCCGGC
437 SerLeuSerProGlyLysOP*

FIG. 4B-2


fnu4HI
pstI
haeIII
sau96I
avaII
nlaIV
ecoRI hphI fnu4HI bbvI mboII mnlI styI
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CTTAAGTGAGAGTGGTAGTCGCCGGACGTCGGACTTCTAAAACGTTGAATAATGACGGTTGTCATATTCTCAAACAGCGAGTGAAAGCCGCCTCCCTGGT
72 ThrLeuThrIleSerGlyLeuGlnProGluAspPheAlaThrTyrTyrCysGlnGlnTyrLysSerLeuSerLeuThrPheGlyGlyGlyThrLys
sau3AI
dpnI
fnu4HI
bbvI
mboII mboII
mnlI
101 AGGTGGAGATCAAACGAACTGTGGCTGCACCATCTGTCTTCATCTTCCCGCCATCTGATGAGCAGTTGAAATCTGGAACTGCCTCTGTTGTGTGCCTGCT
TCCACCTCTAGTTTGCTTGACACCGACGTGGTAGACAGAAGTAGAAGGGCGGTAGACTACTCGTCAACTTTAGACCTTGACGGAGACAACACACGGACGA
104 ValGluIleLysArgThrValAlaAlaProSerValPheIlePheProProSerAspGluGlnLeuLysSerGlyThrAlaSerValValCysLeuLeu
VKJK CK haeIII
haeI
xmnI mnlI rsaI mnlI scrFI bstNI
201 GAATAACTTCTATCCCAGAGAGGCCAAAGTACAGTGGAAGGTGGATAACGCCCTCCAATCGGGTAACTCCCAGGAGAGTGTCACAGAGCAGGACAGCAAG
CTTATTGAAGATAGGGTCTCTCCGGTTTCATGTCACCTTCCACCTATTGCGGGAGGTTAGCCCATTGAGGGTCCTCTCACAGTGTCTCGTCCTGTCGTTC
137 AsnAsnPheTyrProArgGluAlaLysValGlnTrpLysValAspAsnAlaLeuGlnSerGlyAsnSerGlnGluSerValThrGluGlnAspSerLys
sacI
hgiAI
bsp1286
haeIII
sau96I aluI
ecoO banII
fnu4HI
ddeI ddeI
mnlI bbvI hgaI accI hphI alwNI ddeI
301 GACAGCACCTACAGCCTCAGCAGCACCCTGACGCTGAGCAAAGCAGACTACGAGAAACACAAAGTCTACGCCTGCGAAGTCACCCATCAGGGCCTGAGCT
CTGTCGTGGATGTCGGAGTCGTCGTGGGACTGCGACTCGTTTCGTCTGATGCTCTTTGTGTTTCAGATGCGGACGCTTCAGTGGGTAGTCCCGGACTCGA
170 AspSerThrTyrSerLeuSerSerThrLeuThrLeuSerLysAlaAspTyrGluLysHisLysValTyrAlaCysGluValThrHisGlnGlyLeuSerSer
ddeI
aluI mnlI bsp1286 bspMI mnlI
401 CGCCCGTCACAAAGAGCTTCAACAGGGGAGAGTGTTAGAGGGAGAAGTGCCCCCACCTGCTCCTCAGT
GCGGGCAGTGTTTCTCGAAGTTGTCCCCTCTCACAATCTCCCTCTTCACGGGGGTGGACGAGGAGTCA
204 ProValThrLysSerPheAsnArgGlyGluCysAM*

FIG. 5